

November 3, 2004

To Whom It May Concern:

At the request of the Public Bridge Authority for the Peace Bridge, this letter will set forth information that will supplement and clarify the presentation by Ms. Bernadette Secco at the "Public Information Night" conducted by Fresh Air Coalition on October 13, 2004.

Last summer, two faculty members employed by Clarkson University conducted air quality studies in the area of the Peace Bridge. The faculty members were Dr. Andrea Ferro, Assistant Professor in the Department of Civil and Environmental Engineering, and Dr. Peter Jaques, Assistant Professor in the Department of Biology. This letter will provide a partial summary of their preliminary findings. Professors Ferro and Jaques intend to publish a complete report on their study and findings at a later time. It is expected that the report will be offered for consideration by publishers and for peer review during the winter of 2005 and will be made available to the public at the same time.

The Professors' air quality studies consisted of two parts: an initial one in Buffalo east of the border crossing and, at the suggestion of Fresh Air Coalition, a later one in Fort Erie west of the border crossing designed to expand the geographic scope of the initial study. The study conducted in Buffalo east of the border crossing was funded by a grant from Health Effects Institute in the approximate amount of \$60,000. The study in Fort Erie west of the border crossing was funded by an unrestricted gift from Fresh Air Coalition in the amount of \$5,000 which Clarkson elected to use for the Fort Erie study. At the time of the study conducted in Fort Erie, a substantial amount of construction was being performed by the Public Bridge Authority in the area of the Peace Bridge where the sampling monitors were situated. Such construction could be expected to release particulate matter into the air.

During the studies, the Clarkson University faculty members measured airborne particulate matter within about one kilometer east of the border crossing in Buffalo from June 7 to June 25 and July 19 to July 23, and in a several kilometer stretch, including both upwind and downwind areas, along the Queen Elizabeth Way within about six kilometers west of the border crossing in Fort Erie from August 16 to 25. In Buffalo, the measurements were collected under the leadership of Dr. Jaques and Dr. Ferro. Integrated filter samples were collected over 24 hours with a sample air flow rate of 10 liters per minute and semi-continuous measurements were averaged to appropriate 24 hour periods. In Fort Erie, the measurements were made under the leadership of Dr. Jaques using only semi-continuous measurements that were averaged to 24 hour values. On some, but not all, of the days within this period, measurements of particulate matter less than 2.5 micrometers in aerodynamic diameter (PM2.5) were made at various locations within these areas of both cities. All of the measured values were less than the 24-hour National Ambient Air Quality Standard of 65 micrograms per cubic meter, as set forth by the U.S. EPA in the current volume of the Code of Federal Regulations (40 CFR 50).

Dr. Jaques was also retained by Fresh Air Coalition as a consultant beginning approximately August 1, 2004. Fresh Air Coalition paid him \$4,000 in consulting fees and reimbursed him for expenses of approximately \$1,000. As a consultant to Fresh Air Coalition, Dr. Jaques has responded to its questions from Ms. Secco about the scientific meaning of the Professors' studies and prepared information as well as appeared in a videotape recorded by Ms. Secco which she presented at Fresh Air Coalition's Public Information Night on October 13, 2004. Dr. Jaques has confirmed that the information which he prepared consisted of introductory materials about air pollution and study methods. Dr. Jaques' consulting arrangement with Fresh Air Coalition has now been completed.

Permission is hereby given to anyone who may come into possession of this letter to distribute it to others by any means they may deem appropriate, including publication in or through news media.

CLARKSON UNIVERSITY

By: c

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Environmental Engineering

By:

Peter A. Jaques
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